

Received by the Graduate Council—November 7, 2016

GRADUATE COUNCIL CURRICULUM COMMITTEE (GCCC)  
First Meeting/2016-17 Academic Year  
October 10, 2016

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## COLLEGE OF BUSINESS

### Department of Operations Management and Information Systems

BOT Other Catalog Change: Page 71, 2015-16 Graduate Catalog

#### Master of Science in Management Information Systems

The M.S. program in management information systems prepares students to assume leadership roles in the area of business information systems. The program effectively integrates the technical area of computer technology with business processes. The purpose of the program is to expose students to current information technologies and the application of contemporary information management theories.

The program consists of two phases. Phase One is designed to address deficiencies in undergraduate course work considered to be prerequisite for the Phase Two (30 semester hours) graduate course work. Students with significant undergraduate course work in business may be waived from some, or all, of the Phase One requirements. Exemption exams are also available to waive Phase One requirements. There is no charge for the exam, however, a student may only attempt each exam once.

Phase Two consists of 10 courses, seven of which are required of all majors and three of which consist of elective courses selected by the student with the approval of the academic program coordinator. Whereas the required courses ensure an in-depth exposure to important management information systems issues and technology, the elective courses enable the student to survey related areas or to focus in a particular area of his or her choice. Moreover, the focus can also be achieved through selecting courses from the Business Analytics Specialization and/or SAP and Business Enterprise Computing Specialization offered in the program.

The student is required to complete a minimum of 30 semester hours of approved graduate work beyond Phase One and the baccalaureate degree. Of these 30 semester hours, 21 must be in classes reserved exclusively for admitted graduate students. Students-at-large are prohibited from registering for graduate business courses without departmental approval. The total credit from courses taken for graduate credit at other accredited institutions which are accepted in transfer plus credit earned at NIU as a student-at-large may not exceed 9 semester hours.

Each MIS student will not be allowed to take more than 12 credit hours per semester.

#### Master of Science in Management Information Systems Learning Goals and Objectives

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##### Phase One

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##### Phase Two - Required Courses (21)

~~The student is required to complete a minimum of 30 semester hours of approved graduate work beyond~~

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~~Phase One and the baccalaureate degree. Of these 30 semester hours, 21 must be in classes reserved exclusively for admitted graduate students. Students at large are prohibited from registering for graduate business courses without departmental approval. The total credit from courses taken for graduate credit at other accredited institutions which are accepted in transfer plus credit earned at NIU as a student at large may not exceed 9 semester hours.~~

**Required Courses**

~~With approval of the academic program coordinator, other courses may be substituted for a maximum of 9 semester hours of Phase Two course work.~~

OMIS 599 – Degree Completion Seminar (0)

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OMIS 690 – Information Technology Project Management (3)

**Phase Two – Electives (9)**

~~Electives may be selected with the approval of the academic program coordinator from among relevant graduate offerings in the department or elsewhere in the university.~~

To be selected from the following courses or from among relevant graduate offerings elsewhere in the university with approval of the academic program coordinator.

OMIS 605 - Independent Study in Information Systems (3)

OMIS 653 - Enterprise Systems Configuration with SAP (3)

OMIS 661 - Business Intelligence Applications and Tools (3)

OMIS 665 - Big Data Analytics for Business (3)

OMIS 670 - Social Media Analytics for Business (3)

OMIS 682 - Advanced Networking and Network Security (3)

OMIS 694 - Advanced Topics in Information Systems (3)

OMIS 695 - Internship in Management Information Systems (3)

OMIS 698 - Projects in Management Information Systems (3)

A specialization is not required to complete the MIS program. But students may choose one or two following specializations in the program.

**Specialization in Business Analytics Specialization (9)**

The specialization in Business Analytics specialization is for the students to solve complex decision problems in a business environment with a combination of quantitative skills, modeling techniques, and hands-on expertise using current software applications for data driven decision making. Students with these skills are in high demand in a variety of industries and sectors including accounting, management, marketing, finance, information systems, operations, health care, engineering, and energy. Equipped with a solid technical foundation in data analysis and model-driven management decision making, t. This specialization prepares ~~the~~ students for successful careers in this growing field.

Specialization in Business Analytics Specialization consists of the following courses:

OMIS 665 - Big Data Analytics for Business (3)

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OMIS 670 - Social Media Analytics for Business (3)

OMIS 694 - Advanced Topics in Information Systems (3) (For the specialization in Business Analytics, students must take the topic: Seminar of Research Methodologies and Applications in Business Analytics.)

Students who choose this specialization will use the above three courses to serve the Phase Two Elective requirement.

**Specialization in SAP and Business Enterprise Computing Specialization (9)**

SAP is the market leader in business enterprise computing software and Business Enterprise Computing is a broad category of technologies, applications, and practices for gathering, storing, accessing, and analyzing enterprise data to support effective business operations. The **specialization in SAP and Business Enterprise Computing specialization** will allow the students to understand how to run organizations more effectively by improving various business processes and using SAP technology.

**Specialization in SAP and Business Enterprise Computing Specialization** consists of the following courses:

OMIS 643 - Enterprise Process Improvement (3)

OMIS 653 - Enterprise Systems Configuration with SAP (3)

OMIS 661 - Business Intelligence Applications and Tools (3)

Students who choose this specialization will use OMIS 653, OMIS 661, and one of the elective courses to serve the Phase Two Elective requirement.

## COLLEGE OF EDUCATION

### Department of Literacy and Elementary Education

BOT Other Catalog Change Page 119, 2015-16 Graduate Catalog

#### **Master of Science in Education in Elementary Education**

The major in elementary education ... degree are located at <http://www.niu.edu/assessment/clearinghouse/outcomes/index.shtml>.

#### **Requirements**

Majors in elementary education ... LTLA and TLEE courses.

#### **Non-Thesis Option**

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**TLEE 587—Teaching Practicum in Education Credits: 1-6**

#### **Thesis Option**

Same as the non-thesis option except that a minimum of 6 semester hours in TLEE 699, Master's Thesis, must be taken in lieu of TLEE 560 and TLEE 586/TLEE 587.

#### **Comprehensive Examination**

Students in the non-thesis defense.

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**COLLEGE OF HEALTH AND HUMAN SCIENCES**

**School of Health Studies**

**All University Sections**

**The Graduate School**

BOT Other Catalog Change Page 11, 2016-17 Graduate Catalog

**School of Health Studies**  
Master of Arts in Teaching (M.A.T.)  
*with specialization in*  
Health Education, 6-12 and Middle School  
Master of Public Health (M.P.H.)  
*with specialization in*  
Health Promotion  
Health Services Management  
Master of Science in Teaching (M.S.T.)  
*with specialization in*  
Health Education, 6-12 and Middle School

**Educator Licensure Information**

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Family and Consumer Sciences      Family, Consumer, and Nutrition Sciences  
~~Health Education~~      ~~Health Studies~~  
History      History

**School Section**

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**School of Health Studies (PHHE)**  
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The School of Health Studies offers programs of graduate study leading to a Master of Public Health (M.P.H.); and two certificates of graduate study-health education and public health. ~~In addition, students~~

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~~seeking initial educator licensure or endorsement in health education may qualify for the M.A.T. or M.S.T. degrees with specialization in health education.~~

~~The M.P.H. curriculum ....~~

~~The M.A.T. and M.S.T. .... content area.~~

### ~~Criminal Background Checks and Drug Screening~~

~~Students in the M.A.T. .... the program of required courses.~~

BOT Other Catalog Change Page 188, 2016-17 Graduate Catalog

### ~~Master of Arts in Teaching (M.A.T.)~~

~~The student learning outcomes for this degree are located at <http://www.niu.edu/assessment/clearinghouse/outcomes/index.shtml>.~~

### ~~Specialization in Health Education, 6-12 and Middle School~~

~~A Master of Arts in .... content area.~~

### ~~Admission~~

~~All applicants to the .... education.~~

~~Students may .... toward the M.A.T. degree.~~

~~Admitted candidates must pass the ICTS Test of Academic Proficiency prior to enrolling in PHHE 622.~~

### ~~Deficiency Study~~

~~Students are expected .... adviser approval.~~

### ~~Requirements~~

~~The student .... the school in advance.~~

~~The student .... of the school.~~

### ~~Program Requirements~~

### ~~Assessment (3)~~

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~~ETR 520—Introduction to Educational Research (3)~~

**~~Diversity (6)~~**

~~LTIC 501—Multicultural Education: Methods and Materials (3)~~

~~SESE 557—Methods for ..... Education Classroom (3)~~

**~~Human Development and Learning (6)~~**

~~EPS 519—The Middle School Child (3)~~

~~TLCI 522—Middle School Organization and Instruction (3)~~

**~~Pedagogy in Health Education (34-42)~~**

~~PHHE 502—Community Health Programs and Issues (3)~~

~~↓~~

~~PHHE 686—Secondary School Student Teaching in Health Education (3-6)~~

~~One course from the following:~~

~~FCNS 602—Issues in Eating Disorders and Obesity (3)~~

~~↓~~

~~PHHE 605—Biostatistics in Public Health (4)~~

**~~Master of Science in Teaching (M.S.T.)~~**

~~The student learning outcomes for this degree are located ..... index.shtml.~~

**~~Specialization in Health Education, 6-12 and Middle School~~**

~~The Master of Science in ..... content area.~~

**~~Admission~~**

~~All applicants to the ..... M.S.T. degree.~~

**~~Deficiency Study~~**

~~Students are expected to ..... faculty adviser approval.~~

**~~Requirements~~**

~~The student must ..... of the school.~~

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**~~Program Requirements~~**

**~~Assessment (3)~~**

~~ETR 520—Introduction to Educational Research (3)~~

**~~Diversity (3)~~**

~~SESE 557—Methods for Including Middle and Secondary Students with Exceptionalities in the General Education Classroom (3)~~

**~~Human Development and Learning (6)~~**

~~EPS 519—The Middle School Child (3)~~

~~TLCI 522—Middle School Organization and Instruction (3)~~

**~~Pedagogy in Health Education (24)~~**

~~PHHE 502—Community Health Programs and Issues (3)~~

~~↓~~

~~PHHE 624—School Health Programs: Planning, Managing, and Evaluating (3)~~

~~One course from the following:~~

~~FCNS 602—Issues in Eating Disorders and Obesity (3)~~

~~↓~~

~~PHHE 626—Methods and Materials in School Health Education (3)~~